The time-harmonic Maxwell equations with impedance boundary conditions

Serge Nicaise[*1]

[1]Laboratoire de Mathématiques et leurs Applications de Valenciennes (LAMAV) – Université de Valenciennes et du Hainaut-Cambrésis : EA4015 – Le Mont Houy 59313 Valenciennes Cedex 9, France

Abstract

We review some variational formulations of the time-harmonic Maxwell equations with impedance boundary conditions in smooth and non-smooth domains. Some regularity and numerical results will be presented. The talk is based on joint works with M. Costabel (Rennes), M. Dauge (Rennes) and J. Tomezyk (Valenciennes).

[*]Speaker